MANITOBA

SWINE RECORD OF PERFORMANCE PROGRAM

ANNUAL REPORT

1982

PREPARED BY

ANIMAL INDUSTRY BRANCH

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GENERAL SUMMARY

During 1982, a total of 4219 pigs were home-tested in Manitoba under the Federal-Provincial Swine ROP Program. Boar testing increased by 12 per cent from 1496 boars in 1981 to 1679 in 1982. This was offset by a 10 per cent drop in gilt testing to 2540 gilts. Of the 38 breeders who home-tested in 1982, six were new participants. Special recognition is due to the five breeders testing over 200 animals: University of Manitoba, Winnipeg (670); McLean Bros., Pilot Mound (612); Wayne Collingridge, Solsgirth (282); Paul Riese, Selkirk (254); and Lamford Enterprises, Sanford (212).

The overall average adjusted backfat thickness of home-tested stock continued to decline in 1982 to 12.9 mm for boars and 14.9 mm for gilts. During the past five years (1977-82) average backfat thickness of boars and gilts dropped 22 per cent and 18 per cent, respectively. This availability of leaner breeding stock has undoubtedly contributed to the improved quality of market hogs in the Province. The percentage of Manitoba hogs grading 102 index and higher increased 12.3 points from 55.0 per cent in 1977 to 67.3 per cent in 1982, with the latter figure being closer to the national average than in any other year. Average adjusted age at 90 kg of home-tested gilts improved by five days from 1981, while growth performance of home-tested boars basically remained unchanged. Yorkshire and Crossbred boars and gilts were the most commonly-tested animals.

After a six month closure for renovations, an open house in December marked the re-opening of the Brandon ROP Swine Test Station. The $170,000 renovations included new ventilation, lighting and manure handling systems and a refinished interior. Besides doubling the testing capacity of the station, test animals will be able to express their genetic potential better under the improved building environment. Manitoba Agriculture wishes to acknowledge their appreciation to Agriculture Canada for funding the

remodelling project and to Deputy Minister, Peter Connell and ROP Chief, Hans Grieger, Agriculture Canada, Ottawa, for participating in the official opening.

Due to renovations, only three of the regular six station test periods were completed in 1982. Average backfat, daily gain and feed conversion performance of the 168 boars evaluated remained unchanged from the previous year. Three station-tested boar sales were held during the year. Twenty-three boars were sold, with the price averaging $472.91 or $96.81 per animal more than in 1981.

Recipient of the annual Manitoba Swine Breeders' Association Trophy for the highest indexing boar at the test station was Ron Floyde from McCreary, Manitoba. His Hampshire boar topped the test with an adjusted backfat of 8.5 mm, average daily gain of 0.92 kg and an overall station index of 242 points.

ROP PROCEDURES

Swine ROP is a Federal-Provincial testing program designed to identify genetically superior breeding stock in Manitoba in order to upgrade the Provincial and National swine herd. In Manitoba, testing is done by Agriculture Canada personnel with aid from Manitoba Agriculture. The program takes direction from the Manitoba Swine ROP Advisory Committee.

In 1982, committee members were:

Mr. C. Froese, (Chairman)	-	Swine Program Specialist Animal Industry Branch
Mr. J. Kidd, (Secretary)	-	District Production Officer Livestock Division, Agriculture Canada
Mr. C. Campbell	-	Sub-District Production Officer, Livestock Division, Agriculture Canada
Mr. R. Hedley	-	Manitoba Swine Breeders' Association
Mr. G. Tolton (Garry)	-	Manitoba Swine Breeders' Association
Mr. O. Nicholson	-	Manitoba Lacombe Breeders' Association
Mr. G. Schade	-	Manitoba Landrace Breeders' Association
Mr. R. Phillips	-	Manitoba Hog Producers' Marketing Board
Mr. D. Zarn	-	Manitoba Hog Producers' Marketing Board
Dr. R. Parker	-	Geneticist, University of Manitoba
Dr. A. Castell	-	Nutritionist, Agriculture Canada Research Station, Brandon
Dr. D. Hacker	-	Chief, Swine Section Animal Industry Branch

The ROP program offers two types of testing, the home test and the station test.

Home Test - This is available free of charge to seedstock producers who meet the following criteria:

. own and maintain a breeding herd of identifiable ancestry

. identify legibly all breeding animals in the herd

. maintain complete breeding and management records of the herd

Animals are evaluated on the farm for carcass quality (backfat thickness) and growth rate (age at 90 kg) by personnel from Agriculture Canada or Manitoba Agriculture. Age and backfat thickness are adjusted to a standard 90 kg live-weight, and then combined into a single composite score or index. The index is an expression of the overall genetic worth of the animal compared to its contemporaries tested in the previous 12 months. Performance comparisons among home tested animals are only valid within the same herd.

During 1982, home testing services were provided by the following:

Individual	No. Visits	No. Animals Tested
Roger Berard Manitoba Agriculture, St. Pierre Telephone: 433-7749	1	4
Colin Campbell Agriculture Canada, Brandon Telephone: 728-7597	5	94
Brian Cotton Manitoba Agriculture, Brandon Telephone: 728-5724	1	1
Murray Deacon Agriculture Canada, Winnipeg Telephone: 949-2213	103	2506
Cindy Delaloye Agriculture Canada, Winnipeg Telephone: 949-2213	8	155

Individual	No. Visits	No. Animals Tested
Judy Fenwick Agriculture Canada, Winnipeg Telephone: 949-2213	7	98
Peggy Fortier Agriculture Canada, Brandon Telephone: 728-7597	10	163
Hugh Greaves Manitoba Agriculture, Somerset Telephone: 744-2013	28	344
Ivan Janzen Agriculture Canada, Brandon Telephone: 728-7597	26	375
Hector McLean Agriculture Canada, Brandon Telephone: 728-7597	11	63
Ole Olsen Manitoba Agriculture, Swan River Telephone: 734-3417	53	522
Maurice Sigurdson Manitoba Agriculture, Arborg Telephone: 376-5213	8	103
Total	261	4428

Station Test - This testing program enables valid comparisons on the genetic worth of pigs originating from different herds. Participating herds must be actively enrolled in a recognized herd health program and declared free from clinical signs of contagious disease.

The test station is located on 34th Ave. N., on the southwest corner of the Agriculture Canada Research Station property in Brandon. Boars are delivered to the station when they weigh between 18 kg and 30 kg. An 18% crude protein pretest ration is fed until the pen average weight reaches 30 kg, at which time the boars start test. During the test period, a 16% crude protein barley-soybean ration is fed ad libitum. The test ends 14 weeks later, or when the average weight of the penmates reaches 90 kg. At this time, average backfat

thickness, average daily gain, and average feed conversion are determined for each boar. An index is calculated by comparing the individual's backfat thickness and growth rate to the average values of the test group. Boars indexing less than 95 are sent to slaughter, while those 96 or higher may be returned to the breeder or offered for sale. Only boars with an index value of 100 or higher are eligible for station-tested boar sales sponsored by the Manitoba Swine Breeders' Association.

During 1982, station testing services were provided by the following:

Individual	No. Animals Tested
Ivan Janzen Agriculture Canada, Brandon Telephone: 728-7597	104
Hector McLean Agriculture Canada, Brandon Telephone: 728-8597	64
Total	168

TABLE 1. HOME TESTED BOAR PERFORMANCE BY BREED, 1982

BREED	NUMBER HERDS	NUMBER TESTED	AVERAGE ADJUSTED BACKFAT (mm)	AVERAGE ADJUSTED AGE (days)
Yorkshire	29	780	13.0	173
Landrace	8	204	12.9	168
Lacombe	3	117	13.0	168
Hampshire	10	75	12.0	173
Duroc Jersey	7	78	13.5	157
Crossbred	12	217	13.1	177
Berkshire	2	41	9.9	161
Spot	1	1	9.0	191
Managra	1	166	13.1	159
All Breeds	73*	1679	12.9	170

*This figure represents 37 individual breeders, a breeder may have more than one purebred herd.

TABLE 2. HOME TESTED GILT PERFORMANCE BY BREED, 1982

BREED	NUMBER HERDS	NUMBER TESTED	AVERAGE ADJUSTED BACKFAT (mm)	AVERAGE ADJUSTED AGE (days)
Yorkshire	31	962	14.5	177
Landrace	7	191	13.5	175
Lacombe	3	96	15.0	172
Hampshire	7	45	12.5	179
Duroc Jersey	4	68	14.2	156
Crossbred	19	849	16.1	181
Berkshire	2	48	10.8	170
Managra	1	281	15.1	162
All Breeds	74*	2540	14.9	176

*This figure represents 38 individual breeders, a breeder may have more than one purebred herd.

TABLE 3. SUMMARY OF 1982 ROP HOME TESTING ACTIVITY

NUMBER OF PIGS TESTED PER FARM	NUMBER OF BREEDERS	PERCENT OF TOTAL BREEDERS	TOTAL PIGS TESTED	PERCENT OF TOTAL PIGS
Less than 20	8	20.5	94	2
20 - 50	8	20.5	219	5
51 - 100	9	23.1	663	16
101 - 200	9	23.1	1213	29
201+	5	12.8	2030	48
TOTAL	39		4219	

TABLE 4. SUMMARY OF HOME-TESTED BOARS, 1978-1982

YEAR	NUMBER TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)
1978	1428	15.8	169.0
1979	1708	15.2	171.3
1980	1735	15.7	172.9
1981	1496	13.5	169.2
1982	1679	12.9	170.0

TABLE 5. SUMMARY OF HOME-TESTED GILTS, 1978-1982

YEAR	NUMBER TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)
1978	2592	17.4	178.0
1979	2518	16.7	177.1
1980	2826	17.0	182.6
1981	2812	15.2	181.5
1982	2540	14.9	175.7

TABLE 6. STATION TESTED BOAR PERFORMANCE BY BREED, 1982

BREED	NUMBER ENTERING TEST	NUMBER COMPLETING TEST	NUMBER HERDS	AVERAGE ADJUSTED BACKFAT (mm)	AVERAGE ADJUSTED AGE (days)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
Yorkshire	96	88	13	13.7	156	0.84	2.44
Landrace	44	39	7	15.2	150	0.87	2.47
Lacombe	2	2	1	12.8	151	0.88	2.54
Hampshire	12	12	3	10.9	145	0.92	2.30
Duroc Jersey	20	20	4	13.0	150	0.93	2.30
Crossbred	4	3	1	17.1	163	0.79	2.78
Tamworth	2	2	1	22.7	168	0.74	2.36
Spot	2	2	1	11.7	159	0.82	2.60
All Breeds	182	168	31*	13.9	152	0.86	2.43

*This figure represents 22 individual breeders, a breeder may have more than one purebred herd.

TABLE 7. BOAR TEST STATION ACTIVITY, 1982[1]

TEST PERIOD	NUMBER ENTERING TEST	NUMBER HERDS	NUMBER COMPLETING TEST	NUMBER CULLED DUE TO		NUMBER RETURNED TO BREEDERS	NUMBER SOLD	AVERAGE PRICE
				INDEX	OTHER			
Nov.-Feb./82[2]	64	17	62	32	2	17	11	$433.63
Jan.-Apr./82[2]	56	9	47	28	9	3	7	512.85
Mar.-Jne/82[3]	62	15	59	25	3	26	5	417.00
TOTAL	182	22[4]	168	85	14	46	23	$472.91

[1]Due to closure of the station for renovations from July to December, 1982, only three test periods were completed during the year.

[2]Sold by preset price based on performance index.

[3]Sold by auction.

[4]Total number of individual herds using the station during 1982.

TABLE 8. SUMMARY OF STATION-TESTED BOARS, 1978-1982

YEAR	NUMBER TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg liveweight gain)
1978	290	16.0	0.86	2.67
1979	351	15.0	0.86	2.51
1980	321	14.8	0.87	2.48
1981	309	13.8	0.87	2.53
1982	168[1]	13.9	0.86	2.43

[1]Only three test periods completed during the year due to station renovations. Six test periods conducted in previous years.

FIGURE 1. AVERAGE ADJUSTED BACKFAT OF ROP TESTED SWINE (1973–82)

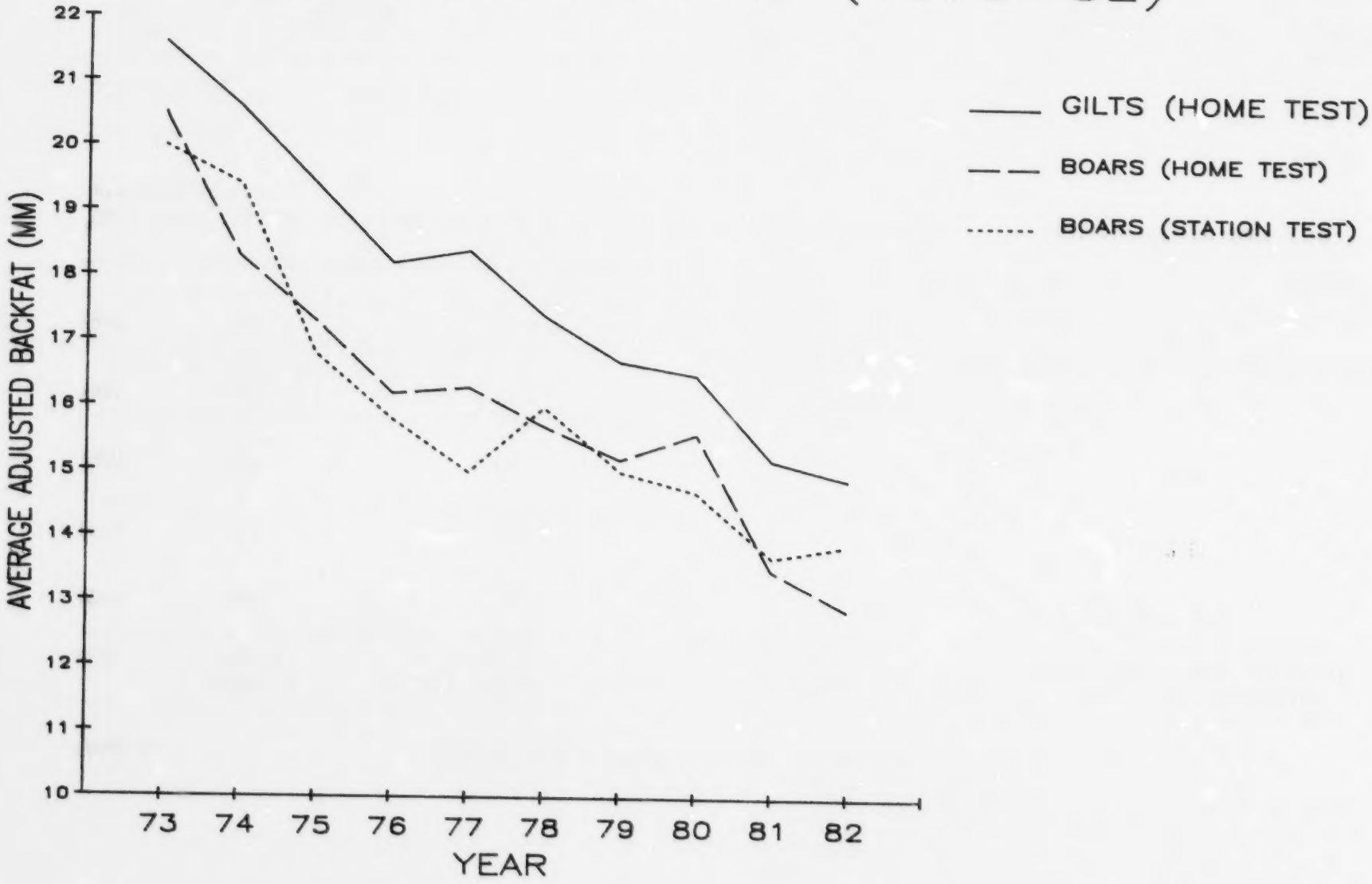

TABLE 9. PAST AND PRESENT HOME AND STATION TEST PERFORMANCE AVERAGES BY BREED FOR BREEDERS ROP TESTING DURING 1982.

This table shows the performance test averages for each breeder who home and/or station tested pigs during 1982. It also lists 1981 averages, plus averages of all pigs home and station tested by each breeder during the five-year period of 1976-1980. An asterisk (*) indicates a new breeder who commenced testing in 1982.

		HOME TEST RESULTS						STATION TEST RESULTS			
BREEDER AND ADDRESS	PERIOD	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
YORKSHIRE											
W. Acheson Somerset, Man. Phone: 744-2525	1976-80	81	15.3	169	127	15.7	170	41	13.6	0.82	2.58
	1981	29	13.8	156	24	14.4	161	0	-	-	-
	1982	34	12.2	157	54	14.0	162	0	-	-	-
*G. Anderson Treherne, Man. Phone: 723-2882	1982	6	17.4	198	1	16.3	197	0	-	-	-
G. Behrendt Langruth, Man. Phone: 445-2292	1976-80	33	14.1	175	130	14.9	186	43	13.3	0.86	2.58
	1981	4	14.6	154	32	13.9	181	2	11.6	0.92	2.35
	1982	13	12.5	164	26	12.2	169	4	14.0	0.81	2.26
A. Brinkman Grandview, Man. Phone: 548-2762	1976-80	8	16.1	185	18	17.0	195	0	-	-	-
	1981	6	10.6	208	3	12.8	196	0	-	-	-
	1982	7	10.9	185	3	12.0	161	2	14.0	0.89	2.52

		HOME TEST RESULTS						STATION TEST RESULTS			
BREEDER AND ADDRESS	PERIOD	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
D. Burton Swan River, Man. Phone: 734-3647	1976-80	155	15.2	157	223	16.1	165	19	14.4	0.86	2.56
	1981	21	12.3	157	53	13.4	163	0	-	-	-
	1982	27	12.7	157	34	12.7	162	0	-	-	-
L. Burton Swan River, Man. Phone: 734-4311	1976-80	20	15.1	153	37	16.5	161	4	14.0	0.76	3.14
	1981	12	13.7	149	17	13.7	162	0	-	-	-
	1982	4	12.1	152	2	14.5	161	0	-	-	-
G. Chappell Hamiota, Man. Phone: 764-2435	1976-80	47	14.0	172	20	14.1	170	-	-	-	-
	1981	6	12.3	150	7	12.6	168	2	13.6	1.09	2.11
	1982	21	11.1	158	36	12.0	163	8	13.1	0.82	2.65
W. Collingridge Solsgirth, Man. Phone: 859-2320	1976-80	408	12.1	164	337	13.9	167	17	12.6	0.82	2.72
	1981	107	10.5	151	123	12.4	159	4	11.8	0.83	2.44
	1982	75	10.4	160	44	12.1	165	0	-	-	-
* Cottonwood Farm Altona, Man. Phone: 324-6226	1982	12	12.7	177	23	14.4	183	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
J. Curry Winnipeg, Man. Phone: 895-1594	1976-80	2	16.7	160	6	17.0	191	0	-	-	-
	1981	17	14.6	184	52	16.4	195	15	13.9	0.85	2.57
	1982	39	12.1	185	41	13.2	197	9	12.2	0.79	2.47
R. Floyde McCreary, Man. Phone: 835-2495	1976-80	13	17.4	158	24	18.5	158	18	16.6	0.92	2.47
	1981	9	15.4	157	11	16.3	151	20	16.4	0.92	2.44
	1982	4	12.7	179	7	15.3	170	16	15.7	0.91	2.34
*J. Gerbrandt Grunthal, Man. Phone: 434-6093	1982	41	12.6	173	38	14.1	176	0	-	-	-
F. Gilliard Belleview, Man. Phone: 854-2960	1976-80	11	13.3	177	67	16.2	194	47	15.5	0.82	2.61
	1981	1	13.2	176	8	14.2	178	6	12.3	0.89	2.32
	1982	2	9.9	168	3	11.6	186	0	-	-	-
Goudy Farms Stoughton, Sask. Phone: 457-2836	1976-80	-	-	-	-	-	-	80	14.8	0.88	2.53
	1981	-	-	-	-	-	-	7	12.4	0.87	2.40
	1982	-	-	-	-	-	-	4	14.2	0.77	2.56

		HOME TEST RESULTS						STATION TEST RESULTS			
BREEDER AND ADDRESS	PERIOD	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
*E. Harms Mather, Man. Phone: 529-2306	1982	12	14.7	171	11	16.6	170	0	-	-	-
R. Hedley Hamiota, Man. Phone: 764-2196	1976-80	182	15.8	170	186	16.4	173	0	-	-	-
	1981	53	15.3	175	37	15.9	178	0	-	-	-
	1982	35	14.9	171	28	15.4	175	0	-	-	-
L. Henderson Minitonas, Man. Phone: 547-2264	1976-80	23	13.8	177	37	15.1	187	12	14.6	0.94	2.54
	1981	4	15.4	192	10	14.9	189	8	12.1	0.84	2.63
	1982	4	10.6	169	12	12.9	169	2	11.0	0.89	2.39
H. N. Kjear Stonewall, Man. Phone: 467-2618	1981	11	12.9	165	14	14.8	163	0	-	-	-
	1982	29	12.9	161	34	13.4	158	0	-	-	-
Lamford Enterprises Sanford, Man. Phone: 736-2353	1976-80	0	-	-	24	16.8	197	0	-	-	-
	1981	0	-	-	37	16.6	196	0	-	-	-
	1982	0	-	-	20	15.2	194	0	-	-	-
L. Manness Domain, Man. Phone: 736-4221	1976-80	235	16.4	169	859	17.9	181	44	15.6	0.87	2.54
	1981	52	13.3	173	172	14.4	184	0	-	-	-
	1982	51	12.8	163	95	14.0	176	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
McLean Bros. Pilot Mound, Man. Phone: 825-2386	1976-80	0	-	-	252	20.6	216	0	-	-	-
	1981	50	14.5	196	86	16.8	214	0	-	-	-
	1982	163	14.1	187	221	16.4	193	7	14.3	0.88	2.35
Moray Farms New Bothwell, Man. Phone: 355-4648	1976-80	0	-	-	2	18.9	190	0	-	-	-
	1981	0	-	-	0	-	-	0	-	-	-
	1982	0	-	-	6	11.0	184	0	-	-	-
W. Mortenson Govan, Sask. Phone: 484-4380	1976-80	-	-	-	-	-	-	108	14.0	0.86	2.43
	1981	-	-	-	-	-	-	27	13.1	0.87	2.51
	1982	-	-	-	-	-	-	19	12.9	0.82	2.48
Nicholson Enterprises Dauphin, Man. Phone: 638-7542	1976-80	39	16.0	168	58	16.5	171	4	14.9	0.92	2.37
	1981	3	14.0	161	10	14.9	170	0	-	-	-
	1982	15	13.1	160	20	13.9	160	0	-	-	-
A. Pantel Somerset, Man. Phone: 744-2630	1976-80	0	-	-	0	-	-	17	16.4	0.86	2.50
	1981	8	14.1	190	6	14.1	179	6	13.9	0.84	2.42
	1982	9	12.2	175	3	13.3	184	0	-	-	-

		HOME TEST RESULTS						STATION TEST RESULTS			
BREEDER AND ADDRESS	PERIOD	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
A. Perreaux Redvers, Sask. Phone: 452-3992	1976-80	-	-	-	-	-	-	96	15.1	0.84	2.55
	1981	-	-	-	-	-	-	13	12.2	0.74	2.69
	1982	-	-	-	-	-	-	4	12.5	0.88	2.36
R & T New Century Farm Matlock, Man. Phone: 389-5340	1976-80	0	-	-	4	18.3	197	0	-	-	-
	1981	4	18.6	181	24	18.8	225	2	15.4	0.83	2.66
	1982	9	15.0	179	8	16.8	158	2	15.0	0.91	2.51
P. Riese Selkirk, Man. Phone: 482-4941	1976-80	243	16.7	178	218	18.2	190	4	13.0	0.83	2.44
	1981	136	14.2	195	82	15.9	203	8	13.3	0.86	2.48
	1982	62	13.3	186	29	14.2	196	0	-	-	-
J. Sawatsky Altona, Man. Phone: 324-6279	1981	14	14.9	169	7	16.1	184	0	-	-	-
	1982	23	15.3	180	17	16.1	179	0	-	-	-
B. Tolton Newdale, Man. Phone: 849-2146	1981	9	14.0	165	14	15.4	164	2	13.2	0.79	2.36
	1982	4	13.2	191	11	15.3	171	2	16.2	0.80	2.41
Garry Tolton Newdale, Man. Phone: 849-2031	1976-80	48	14.8	164	87	15.4	176	64	15.6	0.85	2.54
	1981	20	11.7	172	17	12.2	190	8	13.0	0.86	2.50
	1982	7	10.8	181	9	12.8	184	9	12.9	0.80	2.40

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
University of Manitoba Winnipeg, Man. Phone: 474-9383	1976-80	131	15.0	168	215	16.8	176	0	-	-	-
	1981	43	13.5	166	67	14.7	168	0	-	-	-
	1982	62	13.2	157	109	14.9	164	0	-	-	-
B. Voth & Sons Grunthal, Man. Phone: 434-6606	1976-80	89	18.0	184	91	19.3	183	0	-	-	-
	1981	61	12.5	164	54	12.8	167	4	13.1	0.83	2.68
	1982	4	11.9	176	11	13.5	172	0	-	-	-
Westphalia Farms Winnipeg, Man. Phone: 757-2719	1976-80	2	18.5	197	0	-	-	0	-	-	-
	1981	0	-	-	0	-	-	0	-	-	-
	1982	6	15.4	204	6	15.6	203	0	-	-	-
LANDRACE											
J. Bergman Langenburg, Sask. Phone: 743-2986	1976-80	-	-	-	-	-	-	72	17.5	0.87	2.48
	1981	-	-	-	-	-	-	30	15.9	0.85	2.68
	1982	-	-	-	-	-	-	6	15.8	0.98	2.25
D. Brooks Rosthern, Sask. Phone: 232-4632	1981	-	-	-	-	-	-	10	13.8	0.88	2.64
	1982	-	-	-	-	-	-	4	14.3	0.84	2.49

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
W. Collingridge Solsgirth, Man. Phone: 859-2320	1981	17	9.8	166	19	10.2	165	0	-	-	-
	1982	18	9.5	156	18	10.3	170	0	-	-	-
*Cottonwood Farm Altona, Man. Phone: 324-6226	1982	11	11.6	184	35	13.2	185	0	-	-	-
Ehrenburg Farms Selkirk, Man. Phone: 757-2136	1976-80	115	17.4	160	106	17.7	165	54	16.1	0.87	2.56
	1981	61	14.9	162	50	15.8	158	0	-	-	-
	1982	70	13.7	155	41	14.1	158	8	15.1	0.96	2.48
L. Henderson Minitonas, Man. Phone: 547-2284	1976-80	51	16.0	186	46	16.7	184	24	16.4	0.88	2.63
	1981	28	14.8	186	31	15.4	207	22	14.7	0.86	2.59
	1982	70	12.8	175	56	14.0	180	13	16.6	0.82	2.53

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
W. Mortenson Govan, Sask. Phone: 484-4380	1976-80	-	-	-	-	-	-	38	18.4	0.82	2.63
	1981	-	-	-	-	-	-	7	14.7	0.77	2.61
	1982	-	-	-	-	-	-	3	12.2	0.79	2.63
*C. Poiron Somerset, Man. Phone: 242-2827	1982	18	13.2	185	13	13.0	177	2	12.3	0.81	2.64
J. Sawatsky Altona, Man. Phone: 324-6279	1981	5	17.1	162	7	17.7	170	0	-	-	-
	1982	11	15.2	182	20	14.4	184	0	-	-	-
R. Shiel Minitonas, Man. Phone: 525-4666	1976-80	13	16.7	181	44	18.0	182	18	16.4	0.88	2.51
	1981	25	13.6	159	14	14.1	161	0	-	-	-
	1982	2	13.4	166	0	-	-	0	-	-	-
B. Tolton Newdale, Man. Phone: 849-2146	1982	4	13.6	172	8	13.6	158	3	14.8	0.77	2.38
LACOMBE											
F. Funk Grunthal, Man. Phone: 434-6914	1976-80	271	14.2	162	164	15.2	164	12	14.2	0.86	2.51
	1981	56	13.8	160	69	14.5	164	0	-	-	-
	1982	19	11.4	165	3	13.5	161	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
Nicholson Enterprises Dauphin, Man. Phone: 638-7542	1976-80	30	17.0	160	25	18.5	159	2	14.2	0.91	2.57
	1981	36	13.7	156	44	15.3	164	6	14.2	0.88	2.61
	1982	72	13.8	161	65	15.2	164	2	12.8	0.88	2.54
Westphalia Farms Winnipeg, Man. Phone: 757-2719	1976-80	723	17.7	170	814	18.6	172	102	16.3	0.87	2.63
	1981	102	17.3	172	101	18.1	176	0	-	-	-
	1982	26	11.9	188	28	14.6	191	0	-	-	-
HAMPSHIRE											
A. Brinkman Grandview, Man. Phone: 548-2762	1982	4	11.5	164	4	11.7	187	2	13.2	0.97	2.00
L. Burton Swan River, Man. Phone: 734-4311	1976-80	23	11.3	171	29	12.9	168	0	-	-	-
	1981	13	11.1	169	11	11.7	168	0	-	-	-
	1982	7	11.6	165	7	12.3	175	0	-	-	-
W. Collingridge Solsgirth, Man. Phone: 859-2320	1976-80	1	9.9	165	1	11.6	170	0	-	-	-
	1981	0	-	-	0	-	-	0	-	-	-
	1982	3	8.6	170	3	9.2	172	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
J. Curry Winnipeg, Man. Phone: 895-1594	1982	1	13.7	171	0	-	-	0	-	-	-
R. Floyde McCreary, Man. Phone: 835-3495	1976-80	0	-	-	3	13.4	143	4	12.5	0.85	2.36
	1981	0	-	-	2	13.9	138	10	12.6	0.89	2.48
	1982	4	12.8	132	0	-	-	6	11.1	0.98	2.23
L. Henderson Minitonas, Man. Phone: 547-2284	1976-80	14	14.0	192	16	13.7	195	4	13.7	0.89	2.44
	1981	23	12.4	196	13	13.9	202	4	12.4	0.84	2.71
	1982	13	13.0	193	2	12.9	203	0	-	-	-
*L. Penner Ste. Anne, Man. Phone: 355-4012	1982	8	13.0	166	0	-	-	0	-	-	-
A. Perreaux Redvers, Sask. Phone: 452-3992	1982	-	-	-	-	-	-	4	9.5	0.81	2.56
P. Riese Selkirk, Man. Phone: 482-4941	1981	4	12.9	215	2	12.5	223	0	-	-	-
	1982	12	11.4	188	13	13.0	183	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
J. Sawatsky Altona, Man. Phone: 324-6279	1981	1	16.6	207	7	14.5	190	0	-	-	-
	1982	12	12.1	188	8	12.3	188	0	-	-	-
R. Shiel Minitonas, Man. Phone: 525-4666	1976-80	28	14.2	174	17	15.3	166	2	12.3	0.90	2.42
	1981	26	11.6	152	17	12.1	152	0	-	-	-
	1982	11	11.6	147	8	13.4	162	0	-	-	-
DUROC											
W. Collingridge Solsgirth, Man. Phone: 859-2320	1976-80	4	12.7	198	6	16.8	179	0	-	-	-
	1981	6	9.9	149	2	12.3	158	0	-	-	-
	1982	1	9.2	152	6	10.1	159	0	-	-	-
*Cottonwood Farm Altona, Man. Phone: 324-6226	1982	0	-	-	3	16.6	172	0	-	-	-
R. Floyde McCreary, Man. Phone: 835-2495	1976-80	1	14.2	186	10	16.6	170	6	14.3	0.98	2.36
	1981	6	14.5	143	0	-	-	10	12.0	0.93	2.38
	1982	1	13.2	132	0	-	-	6	12.7	0.93	2.30

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
Goudy Farms Stoughton, Sask. Phone: 457-2836	1976-80	-	-	-	-	-	-	97	15.5	0.92	2.47
	1981	-	-	-	-	-	-	2	13.0	0.87	2.50
	1982	-	-	-	-	-	-	2	14.4	0.87	2.24
K. Ludlam Reston, Man. Phone: 877-3661	1976-80	22	14.4	154	34	16.9	149	6	14.4	0.90	2.53
	1981	44	12.2	150	47	13.5	155	2	12.9	0.98	2.35
	1982	50	13.0	150	43	14.0	154	4	13.7	0.91	2.25
A. Pantel Somerset, Man. Phone: 744-2630	1982	4	14.3	177	0	-	-	0	-	-	-
*L. Penner Ste. Anne, Man. Phone: 355-4012	1982	18	14.8	171	16	15.7	157	0	-	-	-
B. Tolton Newdale, Man. Phone: 849-2146	1982	2	12.9	165	0	-	-	0	-	-	-
Garry Tolton Newdale, Man. Phone: 849-2031	1982	2	15.8	183	0	-	-	0	-	-	-
L. Trowell Govan, Sask. Phone: 484-4380	1976-80	-	-	-	-	-	-	17	13.6	0.92	2.39
	1981	-	-	-	-	-	-	21	13.2	0.95	2.39
	1982	-	-	-	-	-	-	8	12.5	0.95	2.33

		HOME TEST RESULTS						STATION TEST RESULTS			
BREEDER AND ADDRESS	PERIOD	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
TAMWORTH											
E. & E. Schrader Yorkton, Sask. Phone: 782-5921	1981	-	-	-	-	-	-	-	-	-	-
	1982	-	-	-	-	-	-	2	22.7	0.74	2.36
CROSSBRED											
D. Barkman Kenville, Man. Phone: 734-4302	1976-80	0	-	-	3	14.0	161	0	-	-	-
	1981	0	-	-	0	-	-	0	-	-	-
	1982	6	12.5	157	0	-	-	0	-	-	-
A. Brinkman Grandview, Man. Phone: 548-2762	1976-80	0	-	-	6	19.5	174	0	-	-	-
	1981	0	-	-	24	13.0	176	0	-	-	-
	1982	3	10.7	200	87	12.8	185	0	-	-	-
W. Collingridge Solsgirth, Man. Phone: 859-2320	1976-80	29	12.0	160	57	13.7	165	4	12.7	0.84	2.79
	1981	20	12.2	151	23	13.3	145	4	10.0	0.84	2.81
	1982	16	10.1	153	19	12.1	159	0	-	-	-
*Cottonwood Farm Altona, Man. Phone: 324-6226	1982	8	13.7	160	43	15.1	175	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
J. Curry Winnipeg, Man. Phone: 895-1594	1982	5	17.1	199	4	17.2	194	0	-	-	-
R. Floyde McCreary, Man. Phone: 835-2495	1981	10	15.9	155	0	-	-	0	-	-	-
	1982	0	-	-	0	-	-	3	17.1	0.79	2.78
*E. Harms Hather, Man. Phone: 529-2306	1982	1	19.4	186	4	15.7	187	0	-	-	-
L. Henderson Minitonas, Man. Phone: 547-2284	1976-80	0	-	-	2	16.5	182	0	-	-	-
	1981	1	11.4	186	1	12.5	174	2	10.8	0.91	2.55
	1982	0	-	-	4	16.0	167	0	-	-	-
H. N. Kjear Stonewall, Man. Phone: 467-2618	1981	4	14.7	150	0	-	-	0	-	-	-
	1982	0	-	-	4	18.7	196	0	-	-	-
Lamford Enterprises Sanford, Man. Phone: 736-2353	1976-80	0	-	-	236	18.3	191	0	-	-	-
	1981	1	16.7	171	235	16.5	186	0	-	-	-
	1982	0	-	-	192	19.3	179	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
L. Manness Domain, Man. Phone: 736-4221	1976-80	0	-	-	14	16.4	173	0	-	-	-
	1981	0	-	-	2	14.1	179	0	-	-	-
	1982	0	-	-	5	13.0	169	0	-	-	-
McLean Bros. Pilot Mound, Man. Phone: 825-2386	1976-80	0	-	-	121	20.7	221	0	-	-	-
	1981	2	13.7	232	247	17.5	218	0	-	-	-
	1982	1	22.0	171	227	16.6	196	0	-	-	-
Moray Farms New Bothwell, Man. Phone: 355-4648	1976-80	0	-	-	103	18.4	146	0	-	-	-
	1981	0	-	-	207	17.1	170	0	-	-	-
	1982	0	-	-	116	15.7	170	0	-	-	-
Nicholson Enterprises Dauphin, Man. Phone: 638-7542	1976-80	0	-	-	8	15.9	166	0	-	-	-
	1981	0	-	-	5	16.2	159	0	-	-	-
	1982	0	-	-	7	12.7	151	0	-	-	-
*L. Penner Ste. Anne, Man. Phone: 355-4012	1982	21	14.2	159	2	11.6	184	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
R & T New Century Farms Matlock, Man. Phone: 389-5340	1981	2	14.4	207	36	17.5	202	0	-	-	-
	1982	4	14.5	152	6	14.3	159	0	-	-	-
P. Riese Selkirk, Man. Phone: 482-4941	1976-80	59	17.8	175	63	18.9	186	0	-	-	-
	1981	6	13.1	189	11	14.9	186	0	-	-	-
	1982	106	13.0	183	32	13.7	183	0	-	-	-
J. Sawatsky Altona, Man. Phone: 324-6279	1981	0	-	-	17	17.1	169	0	-	-	-
	1982	0	-	-	16	14.2	174	0	-	-	-
R. Shiel Minitonas, Man. Phone: 525-4666	1981	2	11.2	148	0	-	-	0	-	-	-
	1982	0	-	-	2	13.8	158	0	-	-	-
University of Manitoba Winnipeg, Man. Phone: 474-9383	1976-80	240	16.6	173	1035	18.0	177	0	-	-	-
	1981	1	12.9	152	91	14.8	165	0	-	-	-
	1982	9	12.2	166	43	15.0	161	0	-	-	-
Westphalia Farms Winnipeg, Man. Phone: 757-2719	1976-80	72	17.4	171	68	18.0	168	0	-	-	-
	1981	10	17.0	178	8	18.7	177	0	-	-	-
	1982	37	13.1	188	36	14.3	187	0	-	-	-

BREEDER AND ADDRESS	PERIOD	HOME TEST RESULTS						STATION TEST RESULTS			
		NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER GILTS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE AGE ADJUSTED TO 90 kg (days)	NUMBER BOARS TESTED	AVERAGE BACKFAT ADJUSTED TO 90 kg (mm)	AVERAGE DAILY GAIN (kg/day)	AVERAGE FEED CONVERSION (kg feed/kg gain)
BERKSHIRE											
W. Collingridge Solsgirth, Man. Phone: 859-2320	1976-80	347	12.4	168	321	13.6	172	14	13.2	0.79	2.60
	1981	78	10.5	164	118	11.6	168	0	-	-	-
	1982	38	9.8	160	41	10.5	168	0	-	-	-
E. & J. Plumb Foxwarren, Man. Phone: 847-2338	1976-80	10	11.8	171	20	13.4	167	4	13.1	0.86	2.68
	1981	0	-	-	2	11.9	178	1	16.2	1.00	2.51
	1982	3	11.5	168	7	12.4	182	0	-	-	-
SPOT											
D. Barkman Kenville, Man. Phone: 734-4303	1982	1	9.0	191	0	-	-	0	-	-	-
Don Mortenson Govan, Sask. Phone: 484-4380	1976-80	-	-	-	-	-	-	5	13.2	0.83	2.59
	1982	-	-	-	-	-	-	2	11.7	0.82	2.60
MANAGRA											
University of Manitoba Winnipeg, Man. Phone: 474-9383	1976-80	728	15.9	170	1296	17.6	176	25	16.6	0.86	2.57
	1981	145	12.9	163	176	14.2	167	0	-	-	-
	1982	166	13.1	159	281	15.1	162	0	-	-	-

POOR

QUALITY

ORIGINAL